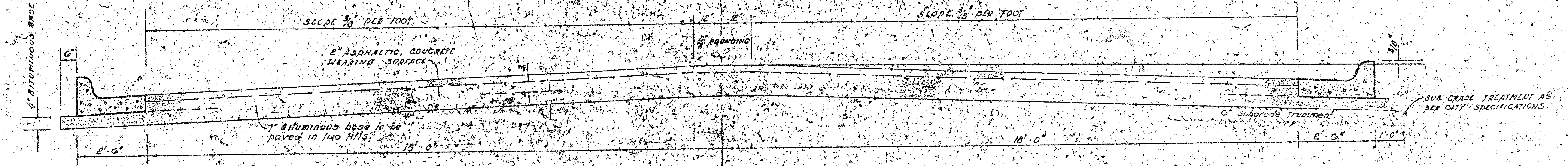
FUNSTON STREET
E.L. LONGFELLOW LN.-W.L. ROCK, RD.
472-76-245-80219-000-000-001
DAKS57401I


4" BITUMINOUS BASE
6"
SLOPE 3/8" PER FOOT
2" ASPHALTIC CONCRETE WEARING SURFACE
12"
12"
℄
3/8" ROUNDING
7" Bituminous base to be paved in two lifts
2'-6"
18'-0"
18'-0"
SLOPE 3/8" PER FOOT
3/8"
6" Subgrade Treatment
SUB GRADE TREATMENT AS PER CITY SPECIFICATIONS
2'-6"
1'-0"

The A.C. pavement between the comb curb & gutter shall be paid as sq yds 9" A.C. pavement (7" Bituminous Base). The Bituminous Base under the comb curb & gutter shall be paid as sq yds 4" Bituminous Base.

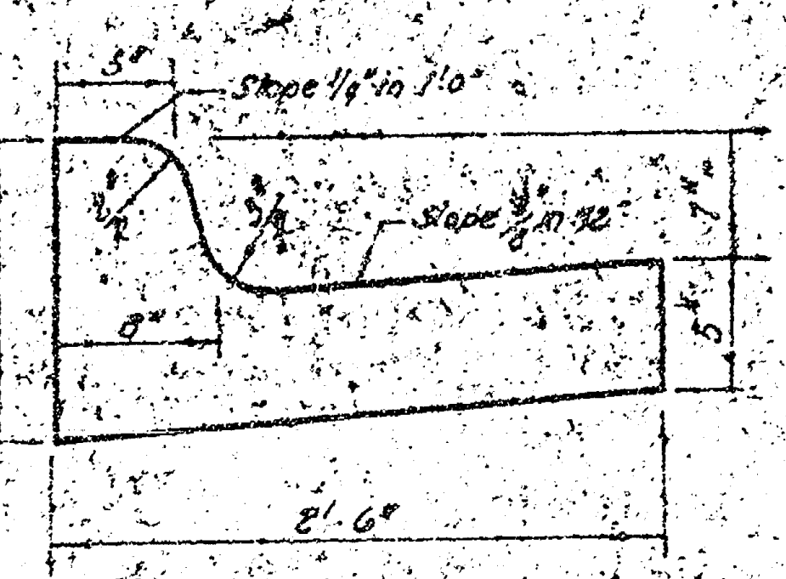
TYPICAL SECTION

41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

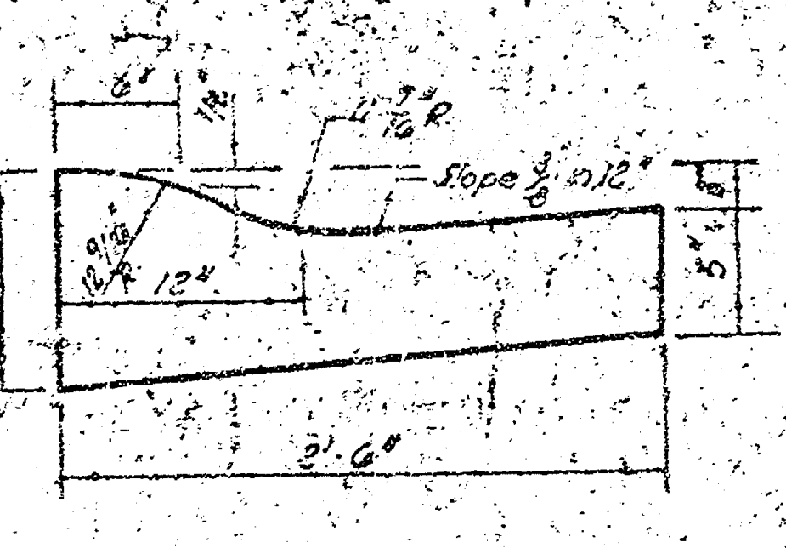
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

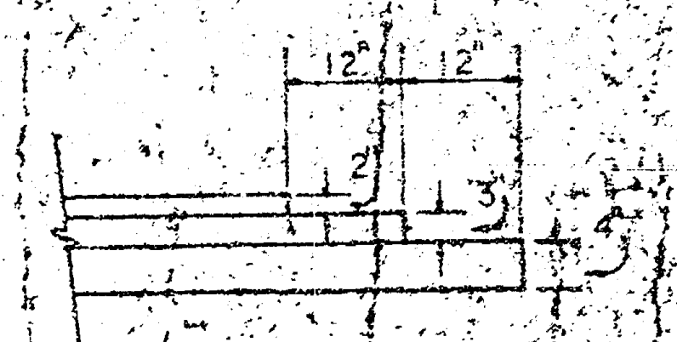
COMBINED CURB & GUTTER


5"
Slope 1/4" in 1'-0"
R
R
Slope 3/8" in 12"
7"
8"
5"
2'-6"

ROLL TYPE CURB & GUTTER


6"
1/2"
4 7/16" R
Slope 3/8" in 12"
9"
12 9/16" R
12"
5"
2'-6"

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CHRIS J. BREITENSTEIN
8206

CITY OF WICHITA, KANSAS
DEPARTMENT of PUBLIC WORKS - Engineering Division.
R. W. LINN CITY ENGINEER
DATE ____________ Proj. No.

1/5

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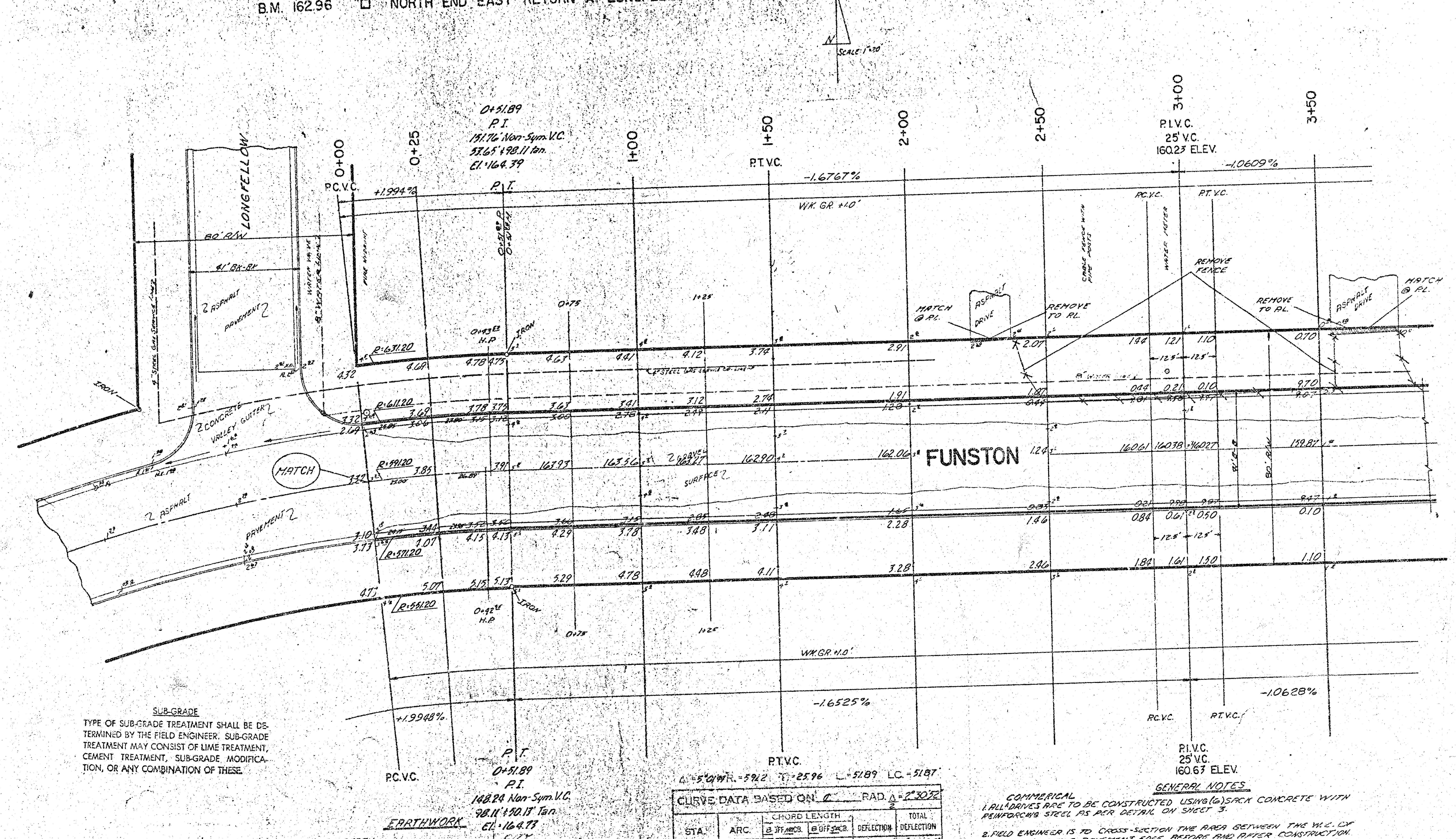
B.M. 162.96 "□" NORTH END EAST RETURN AT LONGFELLOW

Survey Duarte
Plan. C. Baumann
Exc. C. Baumann
Checked


N
SCALE: 1"=20'
LONGFELLOW
80' R/W
41' BK-BK
2 ASPHALT PAVEMENT 2
2 CONCRETE VALLEY GUTTER
MATCH
2 ASPHALT PAVEMENT 2
0+00
0+25
0+51.89
P.I.
151.76' Non-Sym.V.C.
53.65'+98.11' Tan.
El. 164.39
P.T.
P.C.V.C.
+1.994%
1+00
1+50
P.T.V.C.
-1.6767%
W.K. GR +1.0'
2+00
2+50
3+00
3+50
P.I.V.C.
25' V.C.
160.23 ELEV.
-1.0609%
FIRE HYDRANT
WATER VALVE
IRON
MATCH @ P.L.
ASPHALT DRIVE
CABLE FENCE WITH PIPE POSTS
REMOVE TO P.L.
WATER METER
REMOVE FENCE
REMOVE TO P.L.
ASPHALT DRIVE
MATCH @ P.L.
FUNSTON
SURFACE
162.06
160.61
160.38
160.27
159.87
80' R/W
R=631.20
R=611.20
R=591.20
R=571.20
R=551.20
W.K. GR. +1.0'
+1.9948%
-1.6525%
-1.0628%
P.C.V.C.
P.T.V.C.
P.I.V.C.
25' V.C.
160.63 ELEV.
P.T.
0+51.89
P.I.
148.24 Non-Sym.V.C.
98.11'+50.13' Tan.
El. 164.73

SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

EARTHWORK

PROPERTY

EXCAVATION 2950.3 C.Y.
+10% 295.
TOTAL 3245.3 C.Y.

COMPACTED FILL 0

CITY

EXCAVATION 84.5 C.Y.
+10% 8.5
TOTAL 93.0 C.Y.

COMPACTED FILL 10.7 C.Y.
+10% 1.1
TOTAL 11.8 C.Y.

Δ=5°01'44" R.=5912 T.=25.96 L.=51.89 L.C.=51.87

CURVE DATA BASED ON ℄ RAD. Δ/2=2°30'52"

STA.	ARC.	CHORD LENGTH @ OFF ℄CB.	 @ OFF 5℄CB.	DEFLECTION	TOTAL DEFLECTION
0+00	–	–	–	0°00'00"	0°00'00"
0+25	25	26.18	23.81	1°12'41"	1°12'41"
0+51.89	26.89	28.16	25.61	1°18'11"	2°30'52"

GENERAL NOTES

1. ALL COMMERICAL DRIVES ARE TO BE CONSTRUCTED USING (6) SACK CONCRETE WITH REINFORCING STEEL AS PER DETAIL ON SHEET 3.

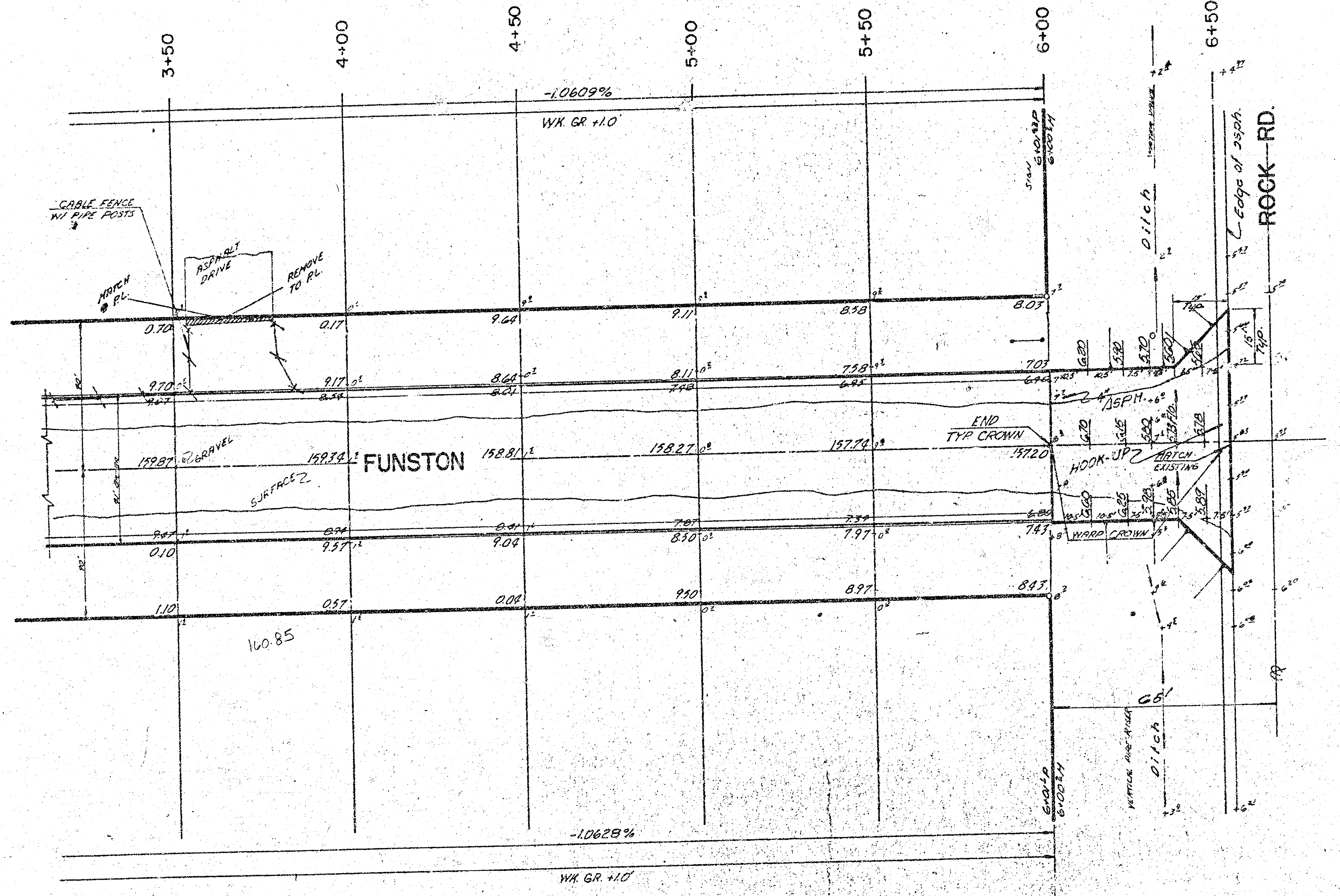
2. FIELD ENGINEER IS TO CROSS-SECTION THE AREA BETWEEN THE W.L. OF ROCK RD. AND THE PAVEMENT EDGE BEFORE AND AFTER CONSTRUCTION.

3. ALL BACK SLOPES IN ABOVE MENTIONED AREA ARE TO HAVE A 4:1 SLOPE.

FUNSTON ST.
E.L. LONGFELLOW-W.L. ROCK RD.
DAKS574011

2/5

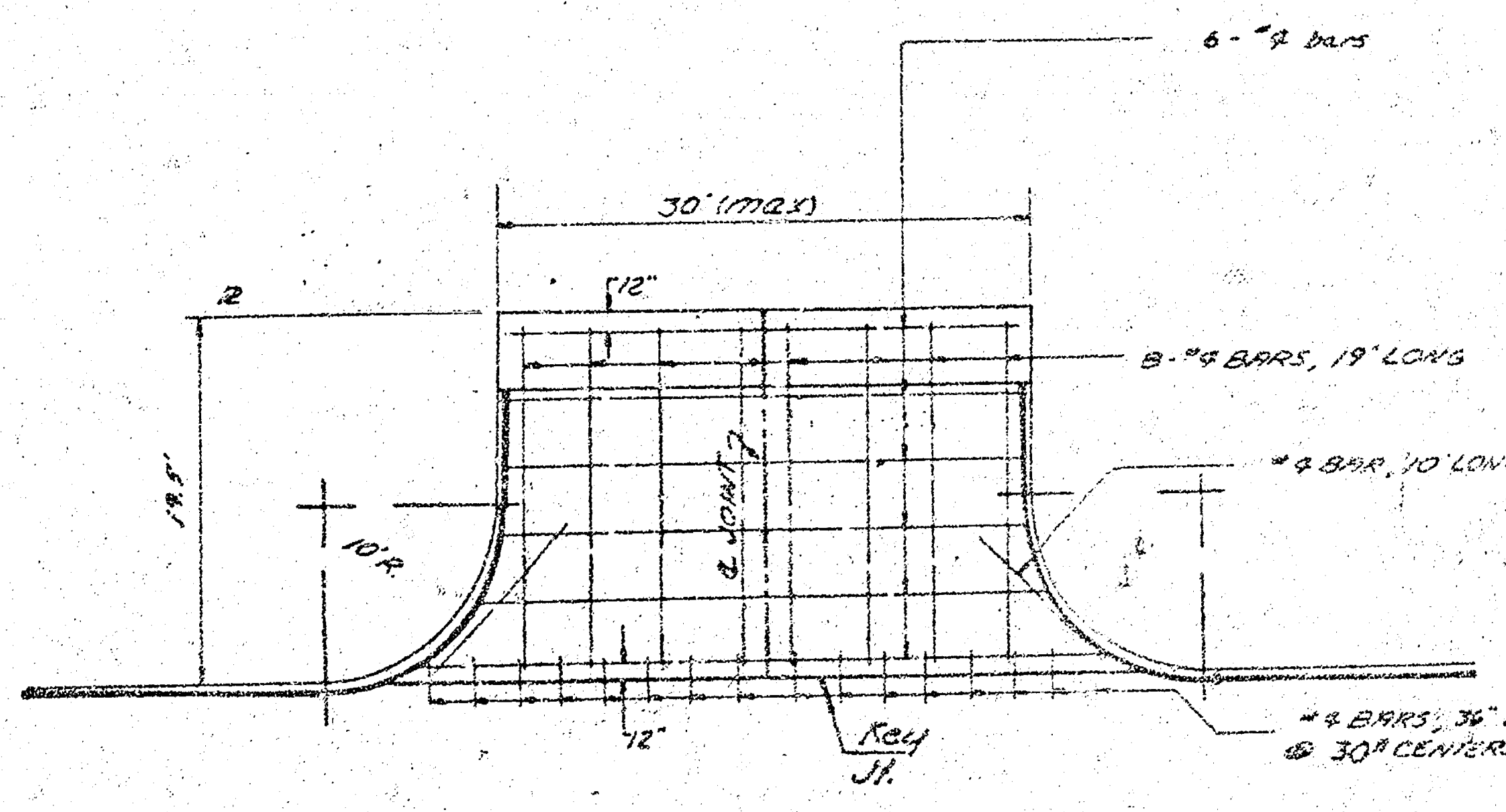
B.M. 162.96 "□" NO. END OF EAST RETURN, TOP OF CURB
B.L. IS C.L. FUNSTON R/W


3+50
4+00
4+50
5+00
5+50
6+00
6+50
-1.0609%
WK. GR. +1.0'
CABLE FENCE W/ PIPE POSTS
NOTCH @ P.L.
ASPHALT DRIVE
REMOVE TO P.L.
0.70
0.17
9.64
9.11
8.58
8.03
9.70
9.17
8.64
8.11
7.58
7.03
6.94
GRAVEL
SURFACE
FUNSTON
159.87
159.34
158.81
158.27
157.74
157.20
END TYP CROWN
HOOK-UP
PATCH EXISTING
4" ASPH.
WARP CROWN
0.10
9.57
9.04
8.50
7.97
7.43
1.10
0.57
0.04
9.50
8.97
8.43
160.85
6.20
5.92
5.70
5.60
6.70
6.45
5.88
5.78
6.60
6.25
5.98
5.86
5.89
10.5'
7.5'
15'
TYP.
Ditch
Edge of asph.
ROCK—RD.
65'
-1.0628%
WK. GR. +1.0'

N
SCALE: 1"=20'

2275

DETAIL FOR REINF STEEL FOR AN INDUSTRIAL, RADIUS-TYPE DRIVE
SCALE: 1"=10'


6-#4 bars
30'(max)
12"
8-#4 BARS, 19' LONG
#4 BAR, 10' LONG
19.5'
10'R
℄ JOINT
12"
Key Jt.
#4 BARS, 36" LONG @ 30" CENTERS

FUNSTON ST.
E.L. LONGFELLOW-W.L. ROCK RD.
DAKS574011

3/5

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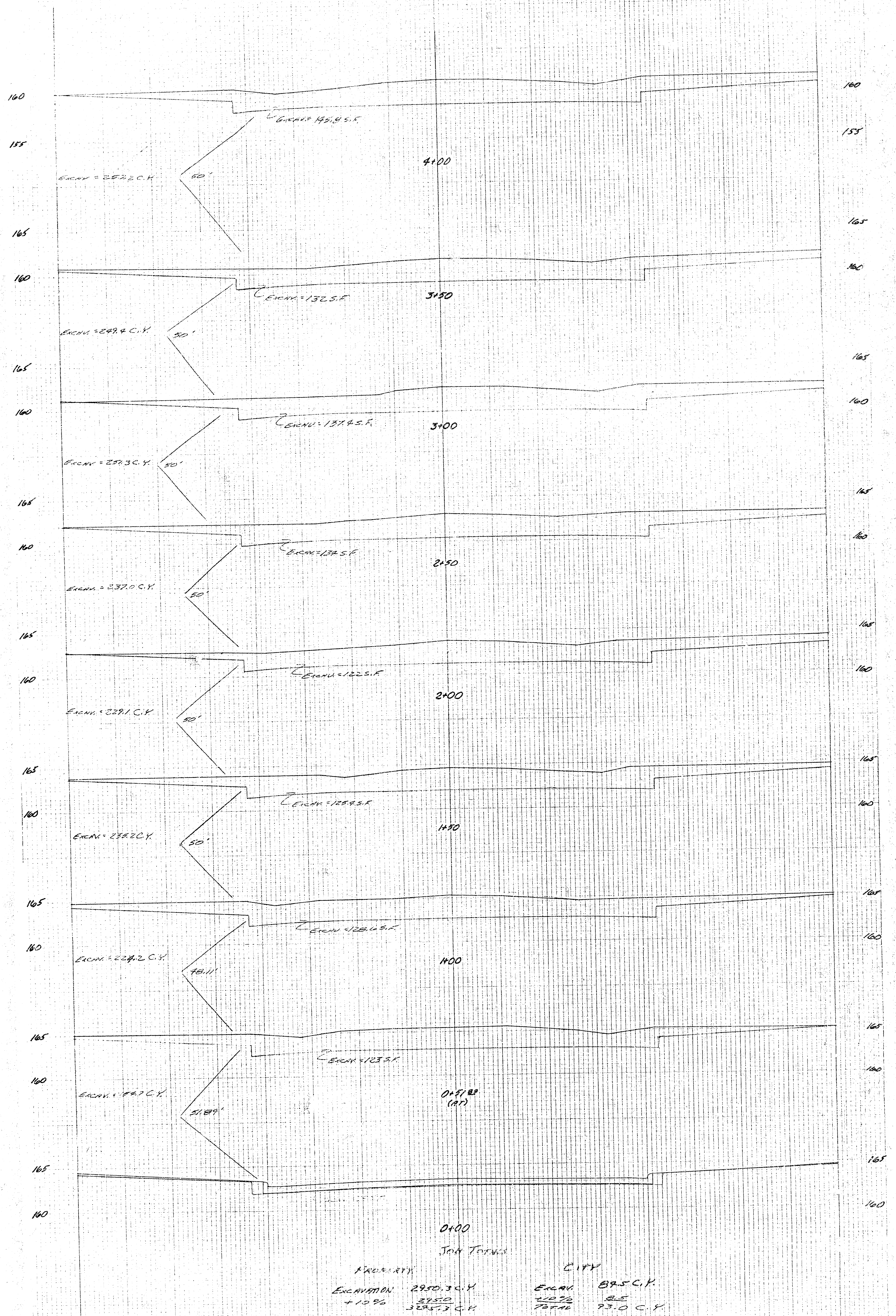
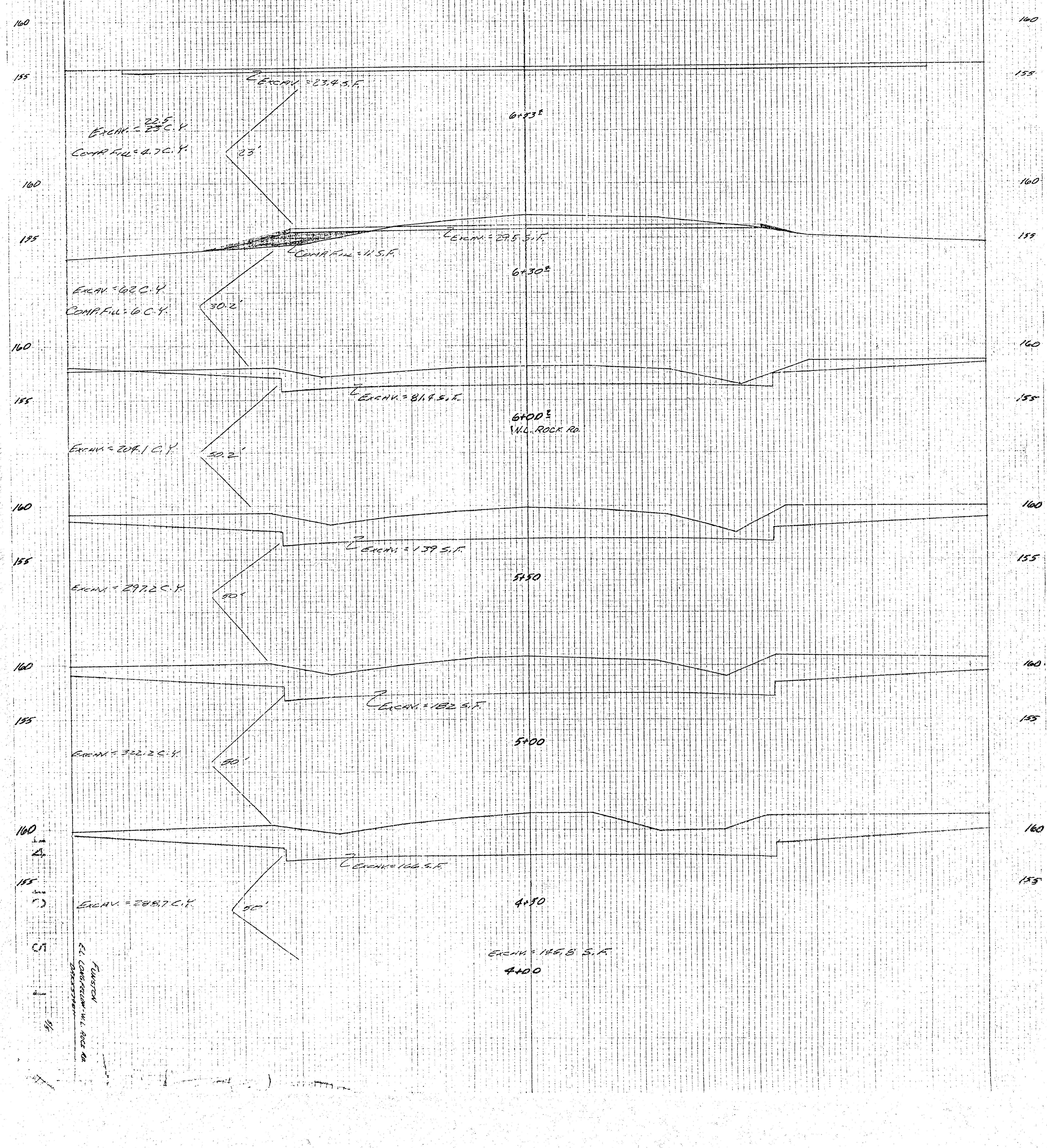
SHEET TOTALS
PROPERTY
EXCAV. = 1838.1 C.Y.


160
155
165
4+00
Excav. = 145.8 S.F.
Excav. = 252.2 C.Y.
50'
3+50
Excav. = 132 S.F.
Excav. = 249.4 C.Y.
50'
3+00
Excav. = 137.4 S.F.
Excav. = 251.3 C.Y.
50'
2+50
Excav. = 134 S.F.
Excav. = 237.0 C.Y.
50'
2+00
Excav. = 122 S.F.
Excav. = 229.1 C.Y.
50'
1+50
Excav. = 125.4 S.F.
Excav. = 235.2 C.Y.
50'
1+00
Excav. = 128.6 S.F.
Excav. = 224.2 C.Y.
48.11'
0+51.89
(RT)
Excav. = 123 S.F.
Excav. = 159.7 C.Y.
51.89'
0+00

JOB TOTALS

PROPERTY		CITY	
EXCAVATION	2950.3 C.Y.	EXCAV.	84.5 C.Y.
+10%	295.0	+10%	8.5
	3245.3 C.Y.	TOTAL	93.0 C.Y.
COMP FILL	0	COMP FILL	10.7 C.Y.
		+10%	1.1
			11.8 C.Y.

FUNSTON
E.L. LONGFELLOW LK - W.L. ROCKW
DRAG STATION
4/5


160
155
Excav. = 23.4 S.F.
6+53±
Excav. = 22.5 23 C.Y.
Comp. Fill = 4.7 C.Y.
23'
Excav. = 29.5 S.F.
Comp. Fill = 11 S.F.
6+30±
Excav. = 62 C.Y.
Comp. Fill = 6 C.Y.
30.2'
Excav. = 81.4 S.F.
6+00±
W.L. Rock Rd.
Excav. = 204.1 C.Y.
50.2'
Excav. = 139 S.F.
5+50
Excav. = 297.2 C.Y.
50'
Excav. = 182 S.F.
5+00
Excav. = 322.2 C.Y.
50'
Excav. = 166 S.F.
4+50
Excav. = 288.7 C.Y.
50'
Excav. = 145.8 S.F.
4+00
Funston
E.L. Longfellow - W.L. Rock Rd

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